

FIG. 2

DIVIDES THE SOURCE DATA OF AUTHENTICATION INFORMATION INTO BLOCKS OF 64 BITS

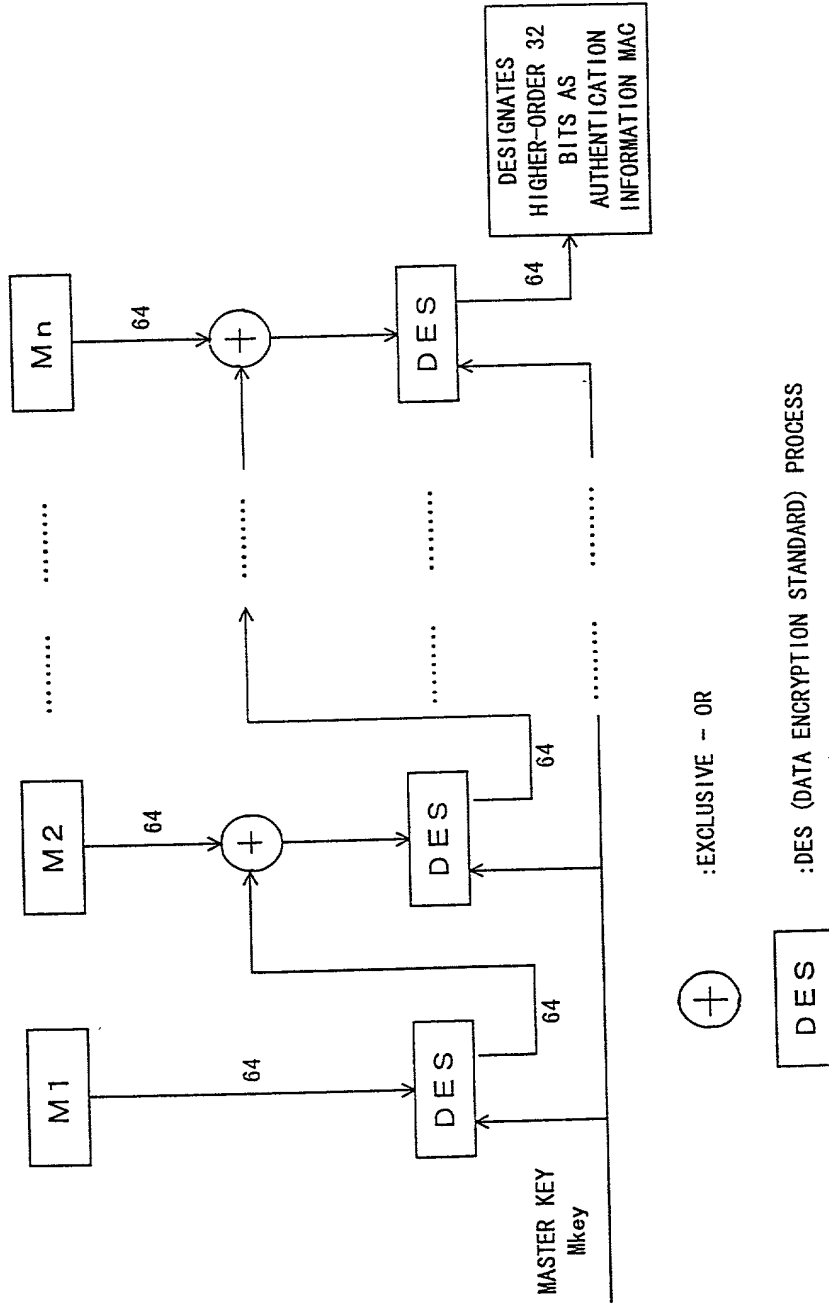


FIG. 3

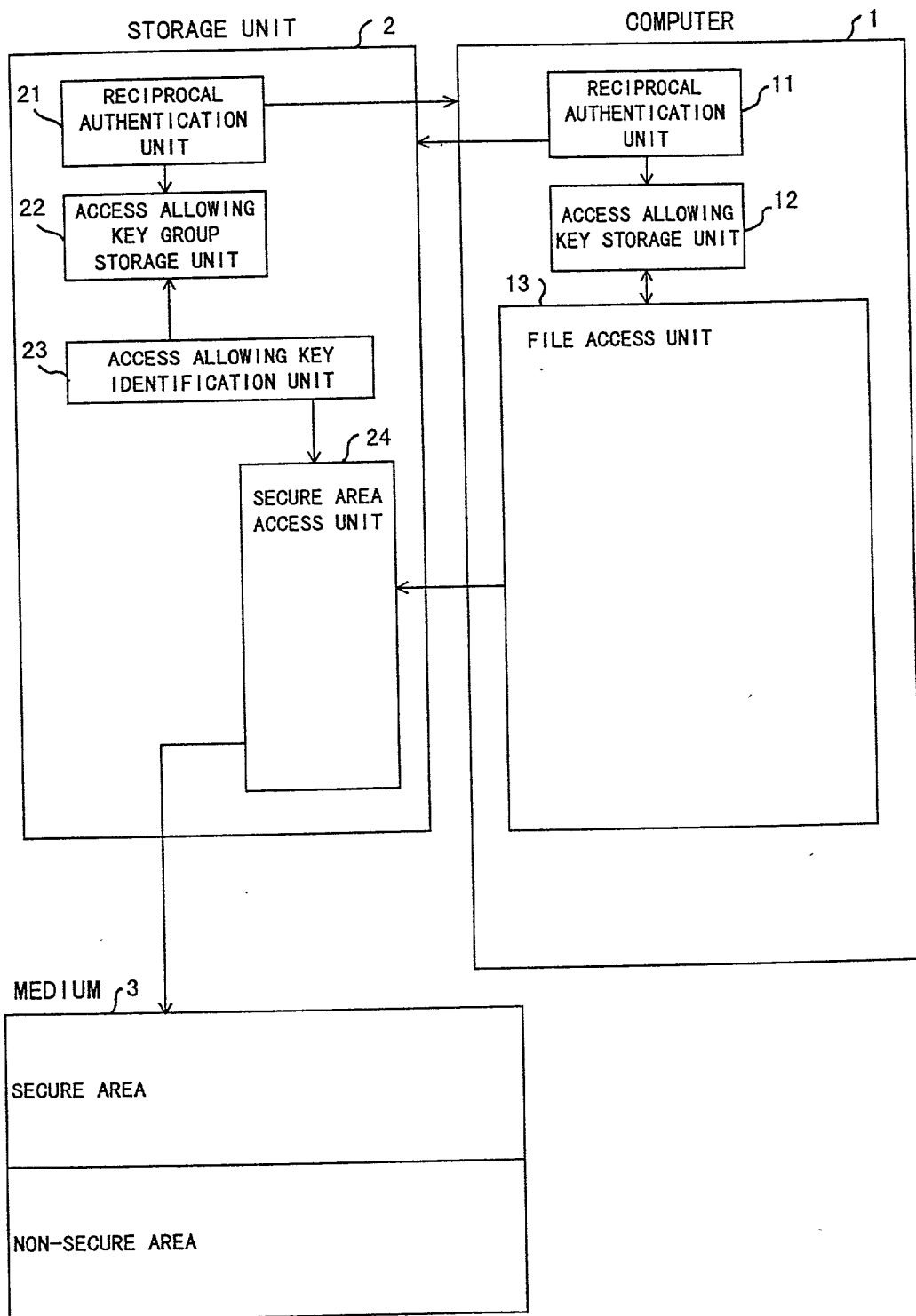


FIG. 4

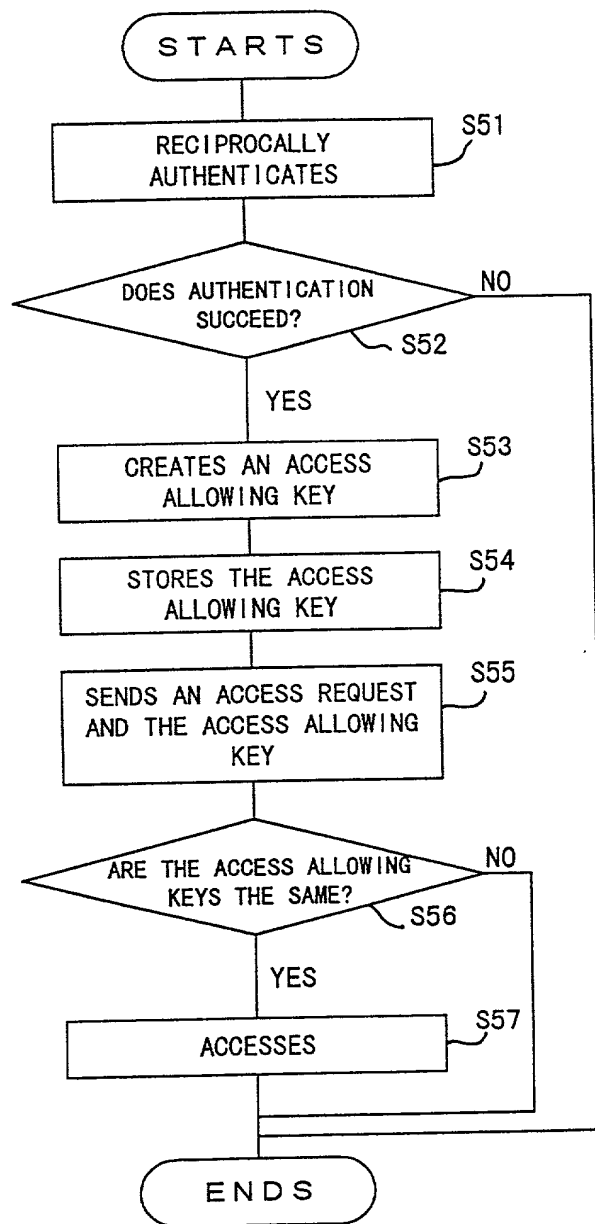


FIG. 5

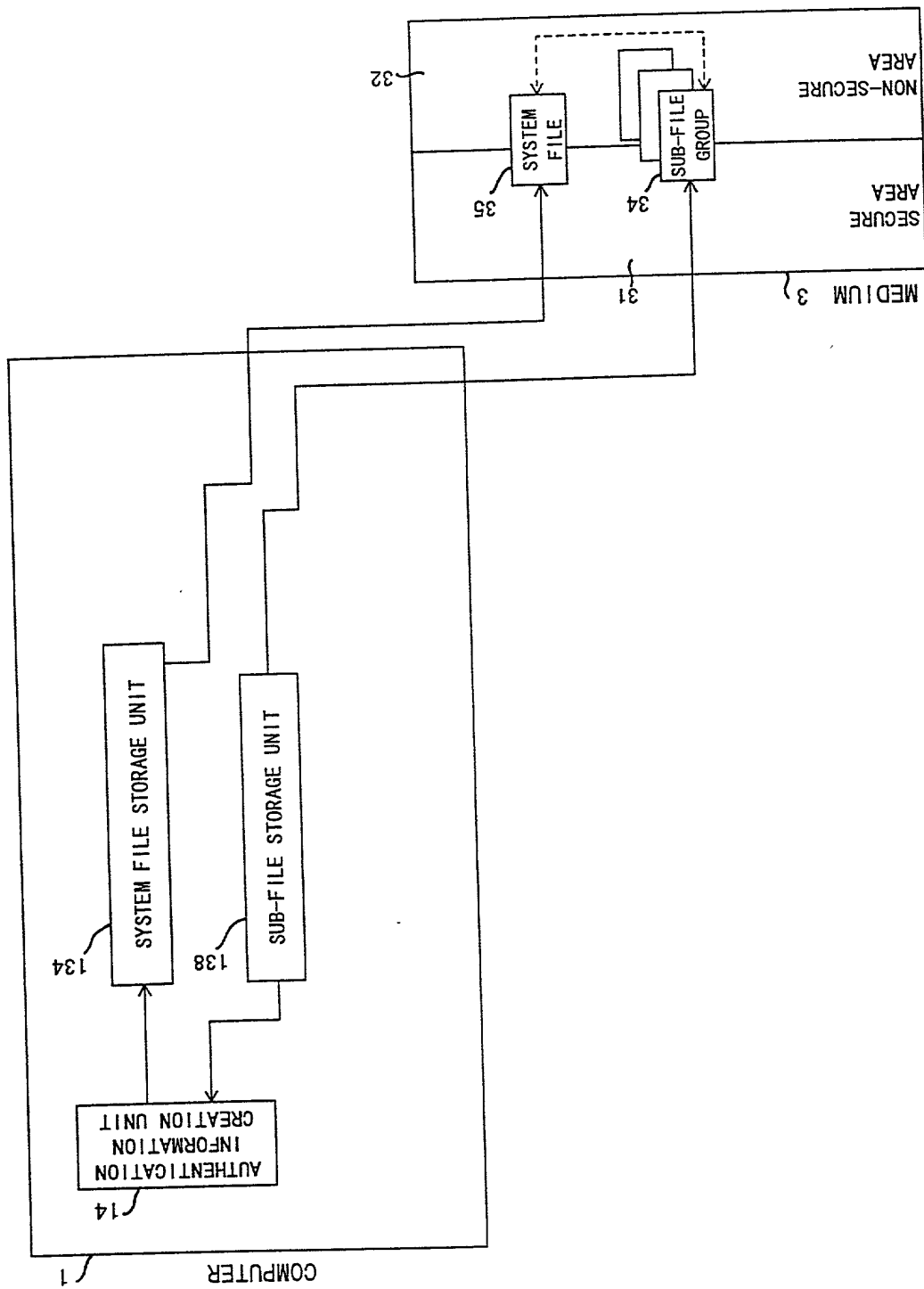


FIG. 6

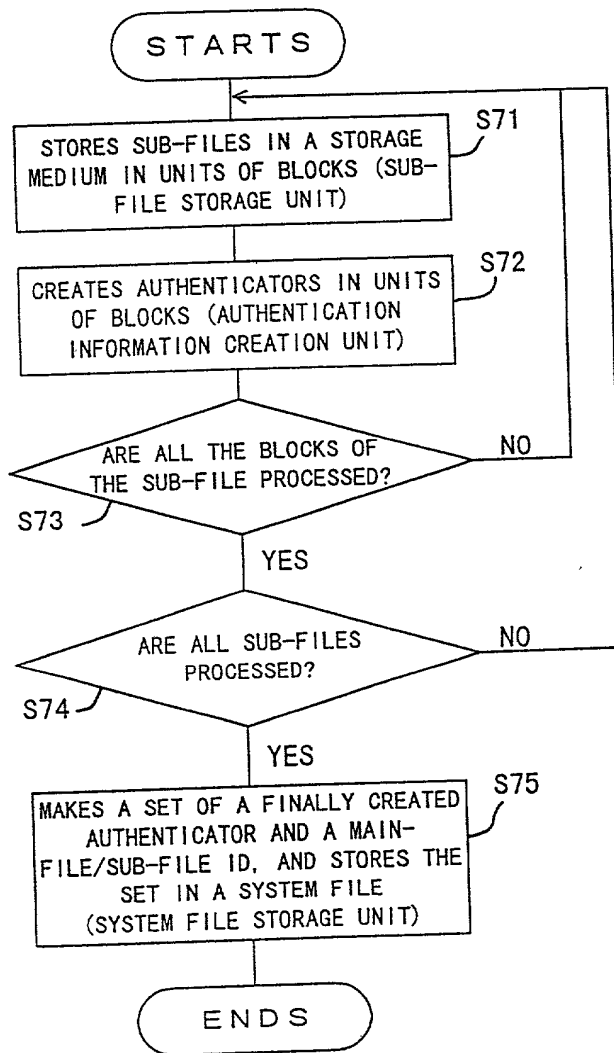
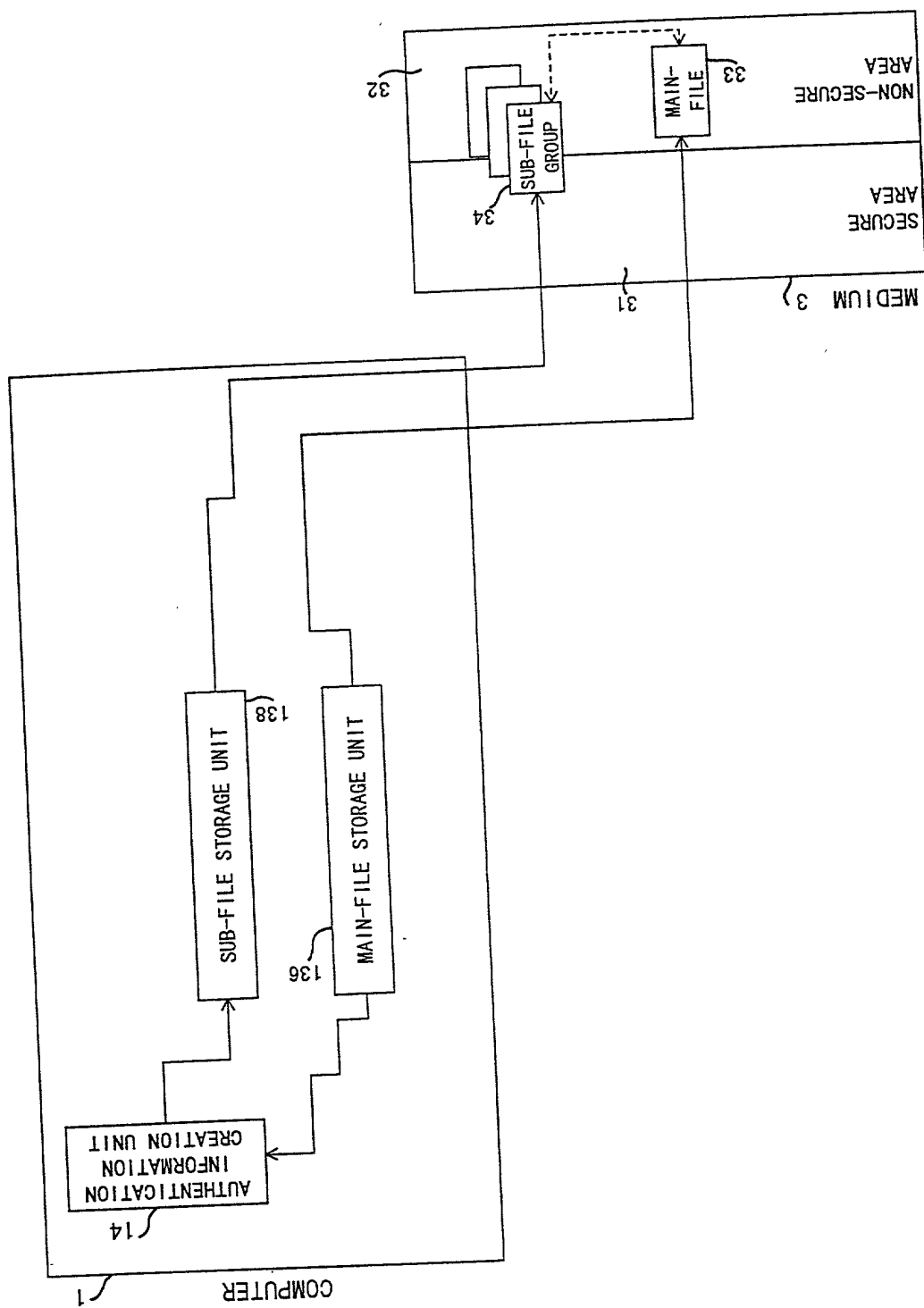


FIG. 7

FIG. 8



09985677 110504

095567-10501

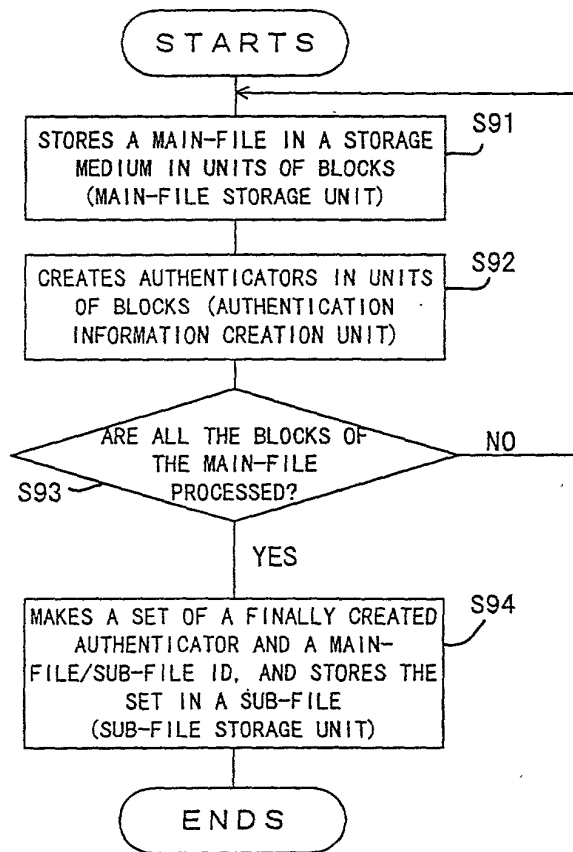
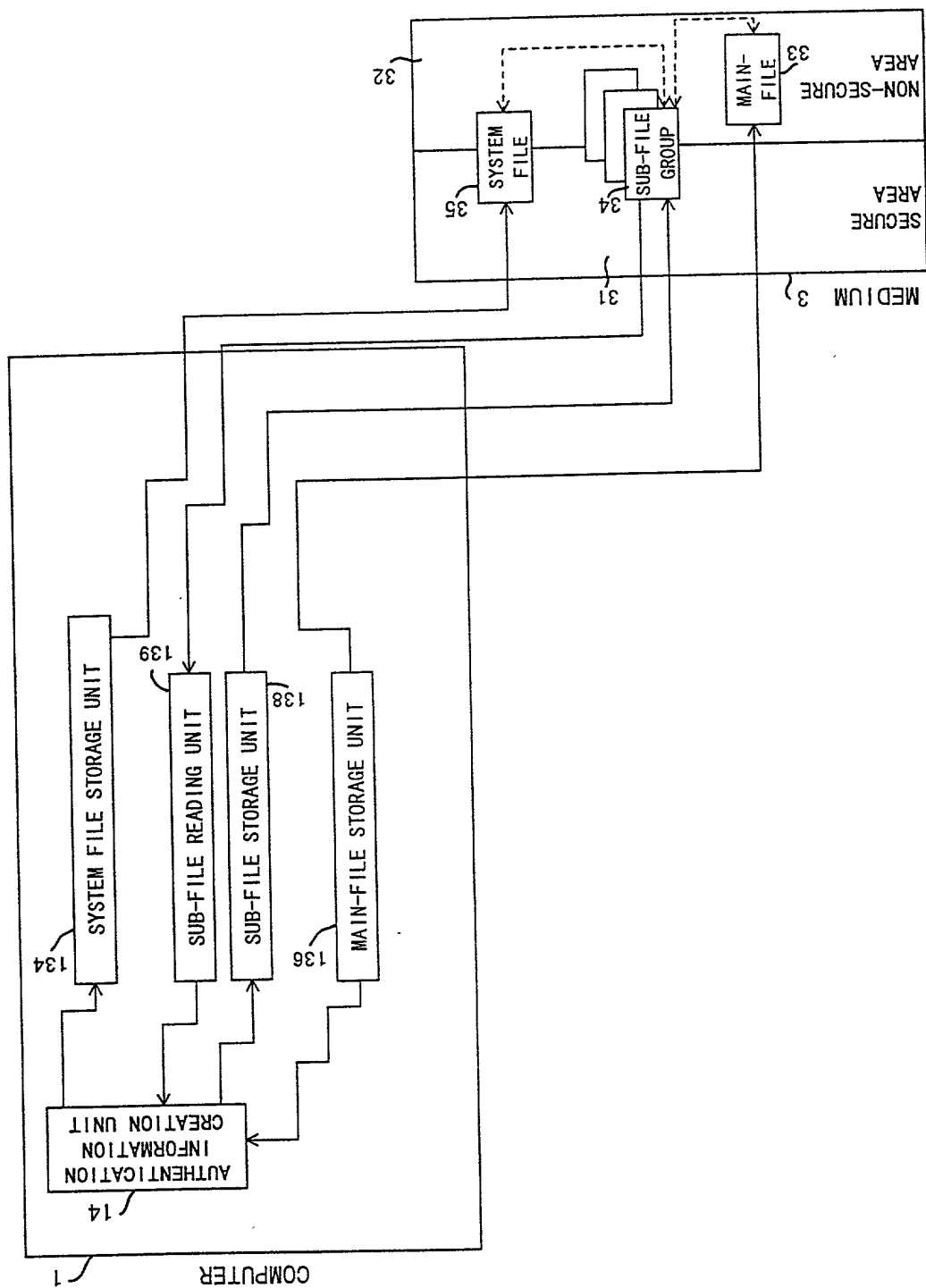


FIG. 9

09985677.110301



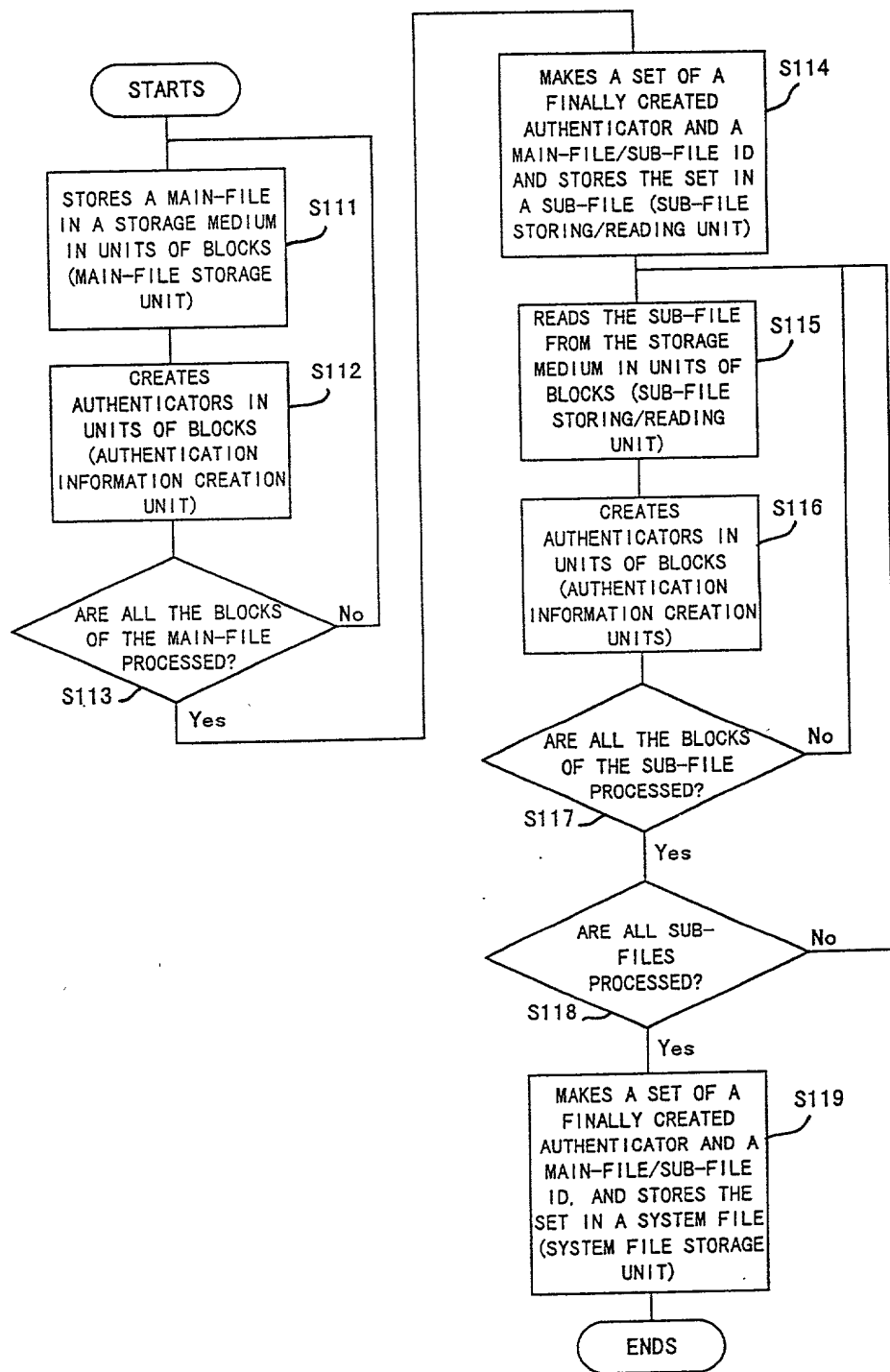


FIG. 11

09985677.110501

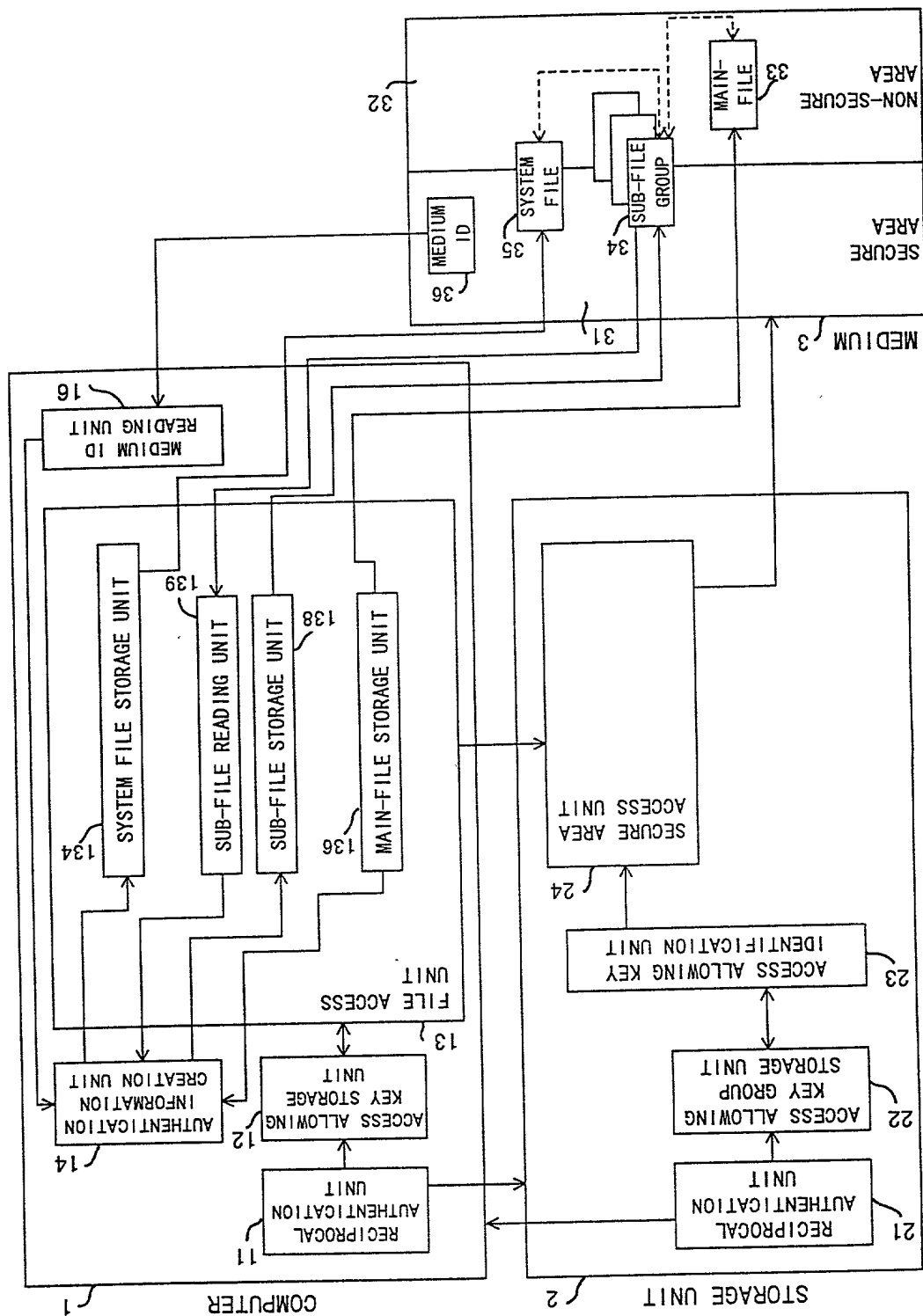


FIG. 12

```

graph TD
    START([STARTS]) --> S130[READS A MEDIUM ID  
(MEDIUM ID READING UNIT)]
    S130 --> S131[STORES A MAIN-FILE  
IN A STORAGE MEDIUM  
IN UNITS OF BLOCKS  
(MAIN-FILE STORAGE UNIT)]
    S131 --> S132[CREATES  
AUTHENTICATORS IN  
UNITS OF BLOCKS  
(AUTHENTICATION  
INFORMATION CREATION UNIT)]
    S132 --> S133{ARE ALL THE BLOCKS  
OF THE MAIN-FILE  
PROCESSED?}
    S133 -- Yes --> S134[MAKES A SET OF A  
FINALLY CREATED  
AUTHENTICATOR AND A  
MAIN-FILE/SUB-FILE ID  
AND STORES THE SET IN  
A SUB-FILE (SUB-FILE  
STORING/READING UNIT)]
    S133 -- No --> S130
    S134 --> S135[READS THE SUB-FILE  
FROM THE STORAGE  
MEDIUM IN UNITS OF  
BLOCKS (SUB-FILE  
STORING/READING UNIT)]
    S135 --> S136[CREATES  
AUTHENTICATORS IN  
UNITS OF BLOCKS  
(AUTHENTICATION  
INFORMATION CREATION UNIT)]
    S136 --> S137{ARE ALL THE BLOCKS  
OF THE SUB-FILE  
PROCESSED?}
    S137 -- Yes --> S138{ARE ALL SUB-  
FILES  
PROCESSED?}
    S137 -- No --> S135
    S138 -- Yes --> S139[MAKES A SET OF A  
FINALLY CREATED  
AUTHENTICATOR AND A  
MAIN-FILE/SUB-FILE  
ID, AND STORES THE  
SET IN A SYSTEM FILE  
(SYSTEM FILE STORAGE  
UNIT)]
    S138 -- No --> S135
    S139 --> END([ENDS])
  
```

FIG. 13

09985677-110501

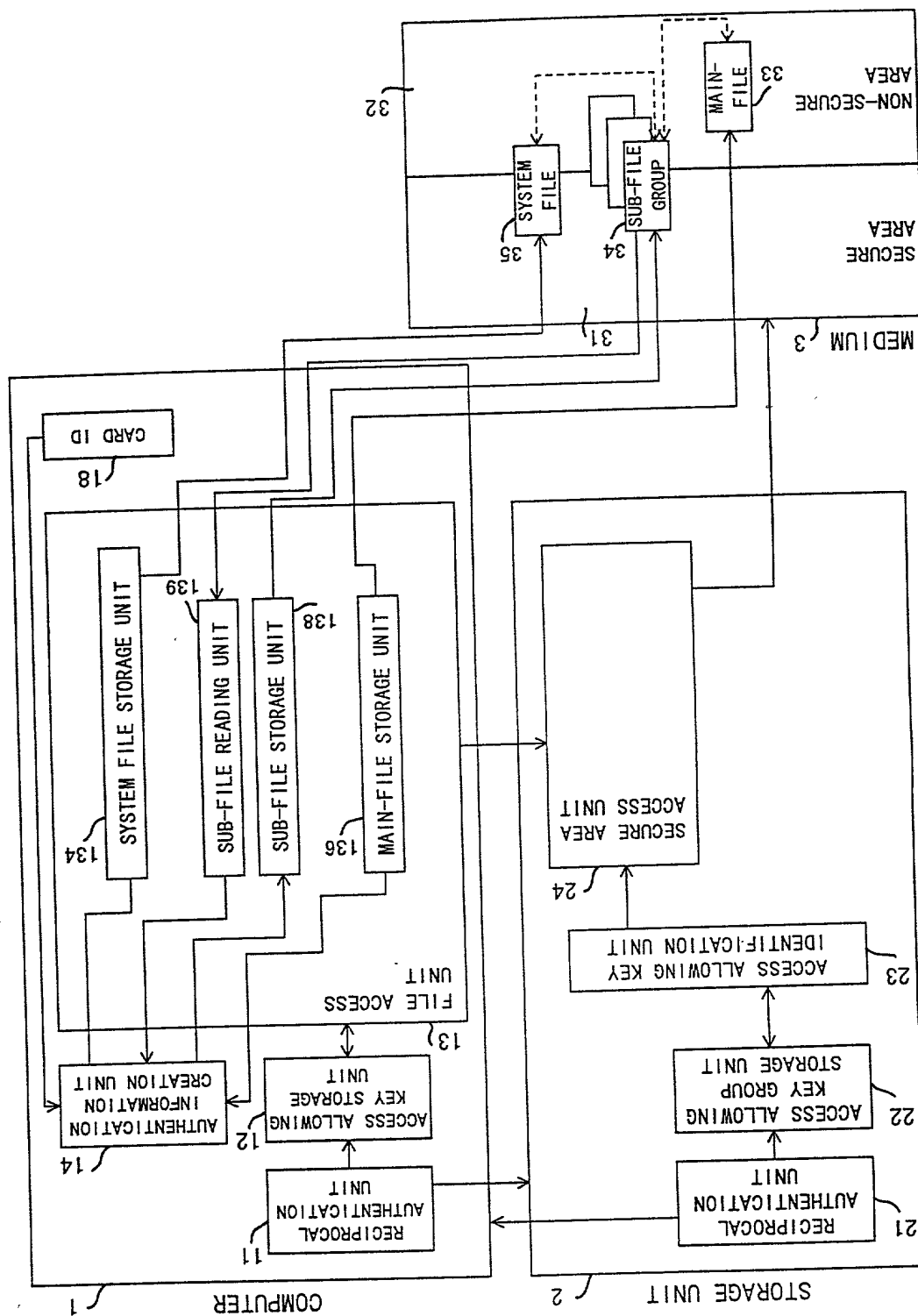
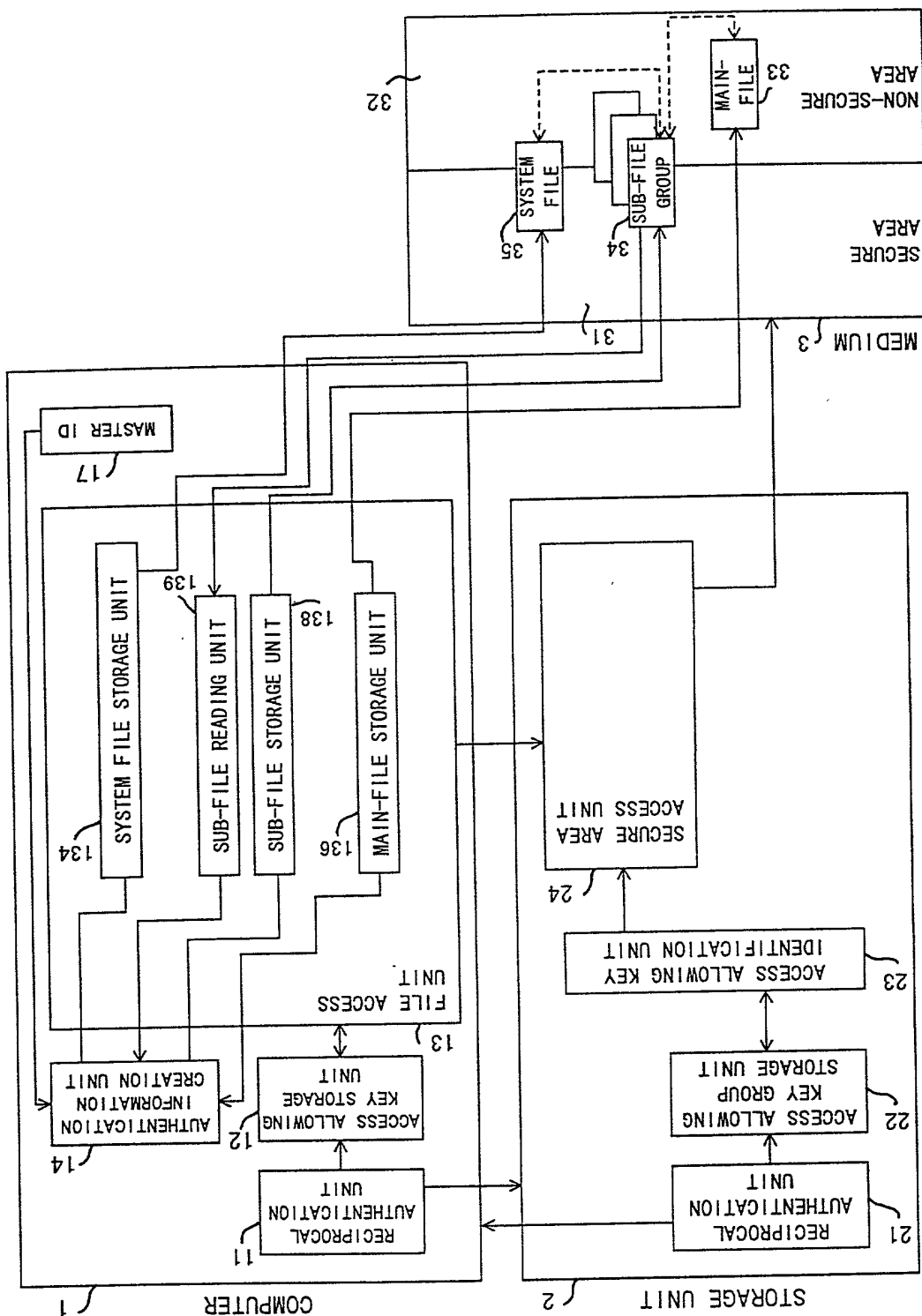


FIG. 14

FIG. 15



09985677 440501

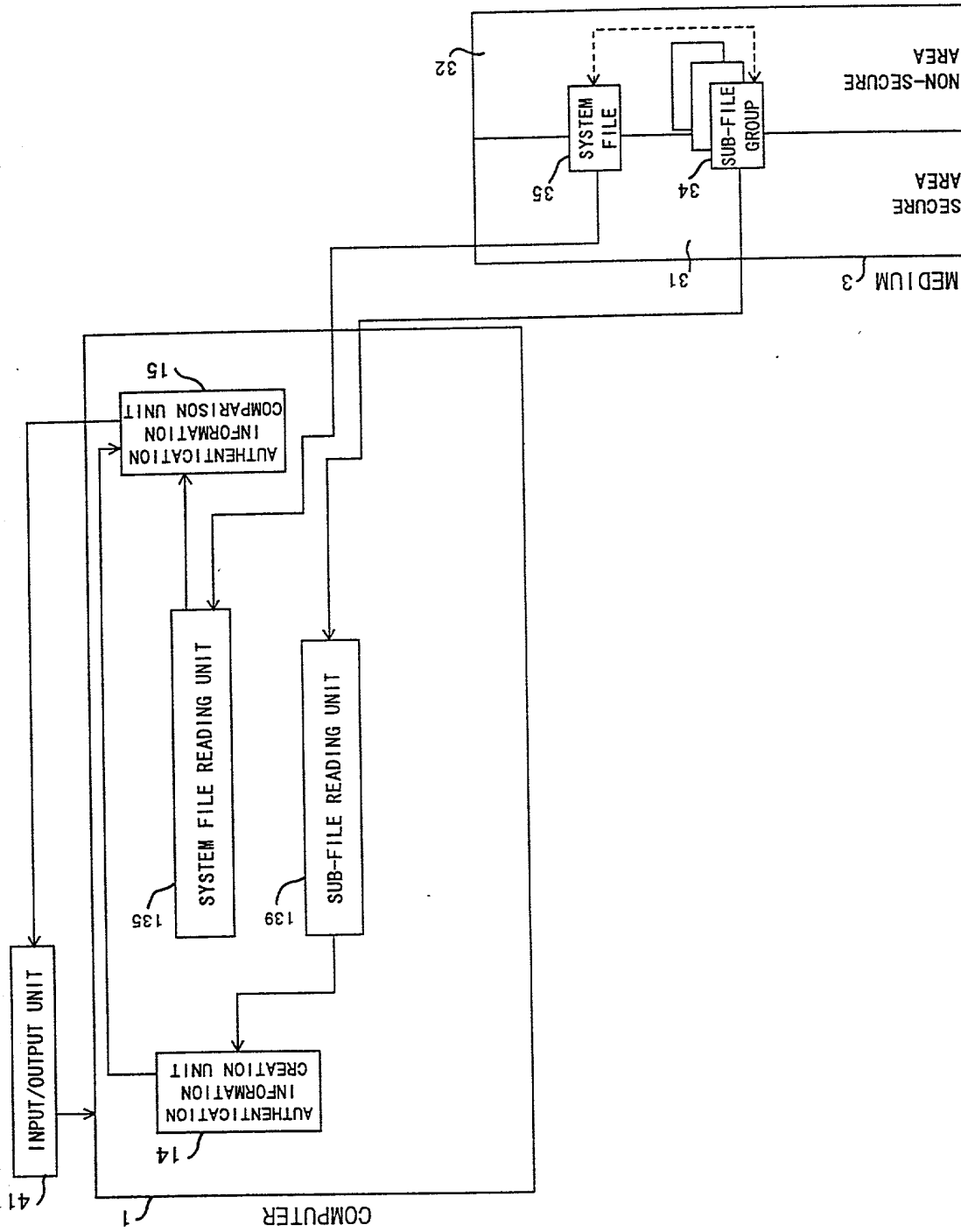


FIG. 16

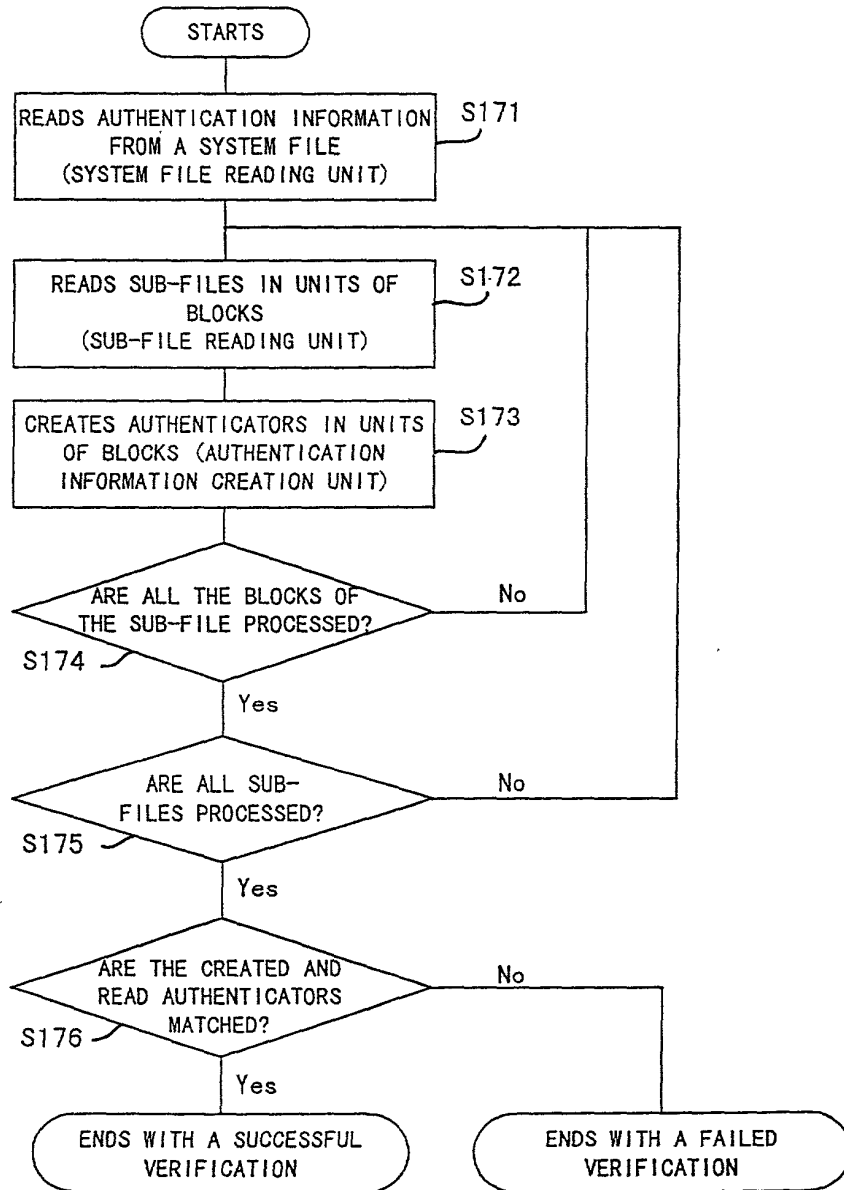


FIG. 17

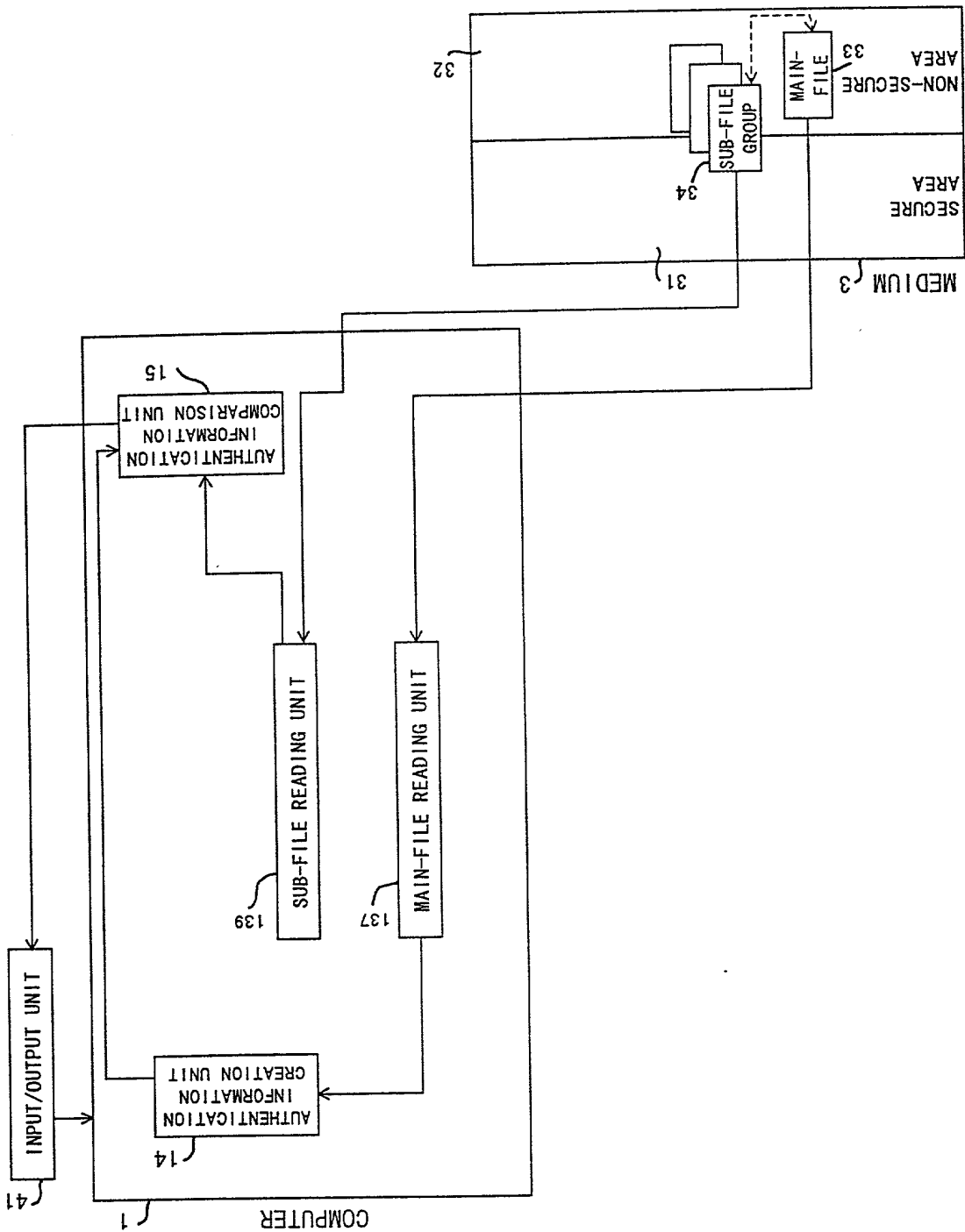


FIG. 18

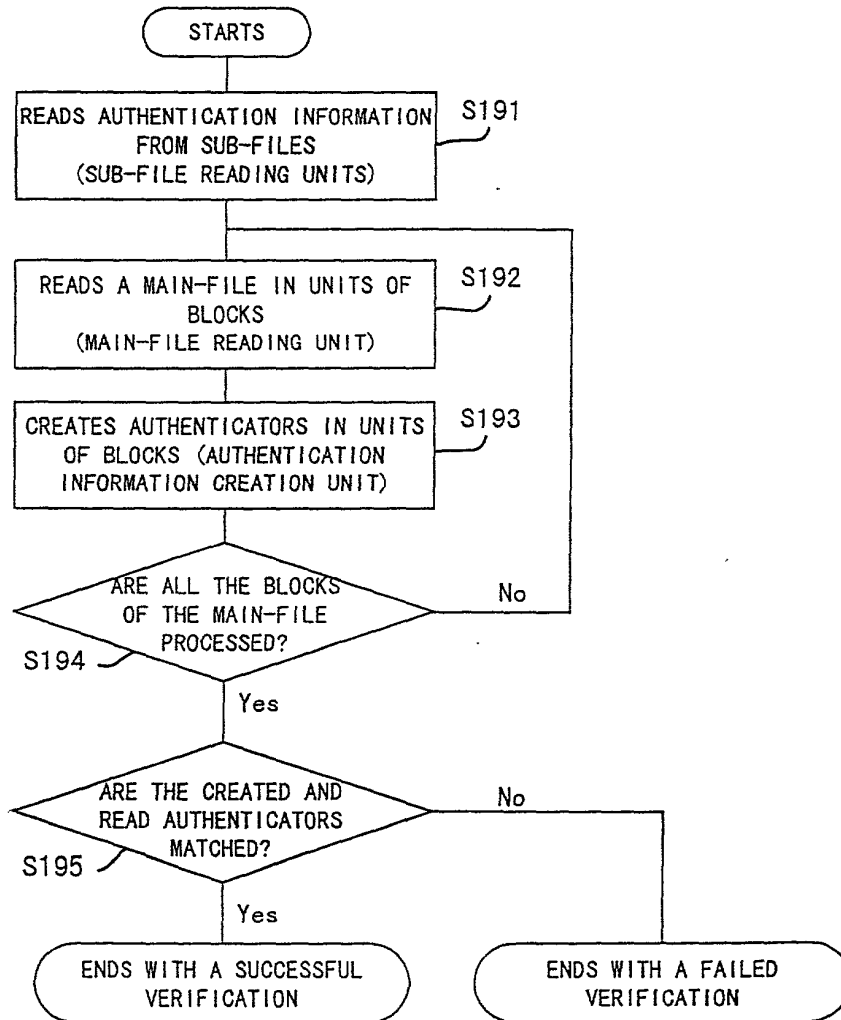


FIG. 19

09985677-110501

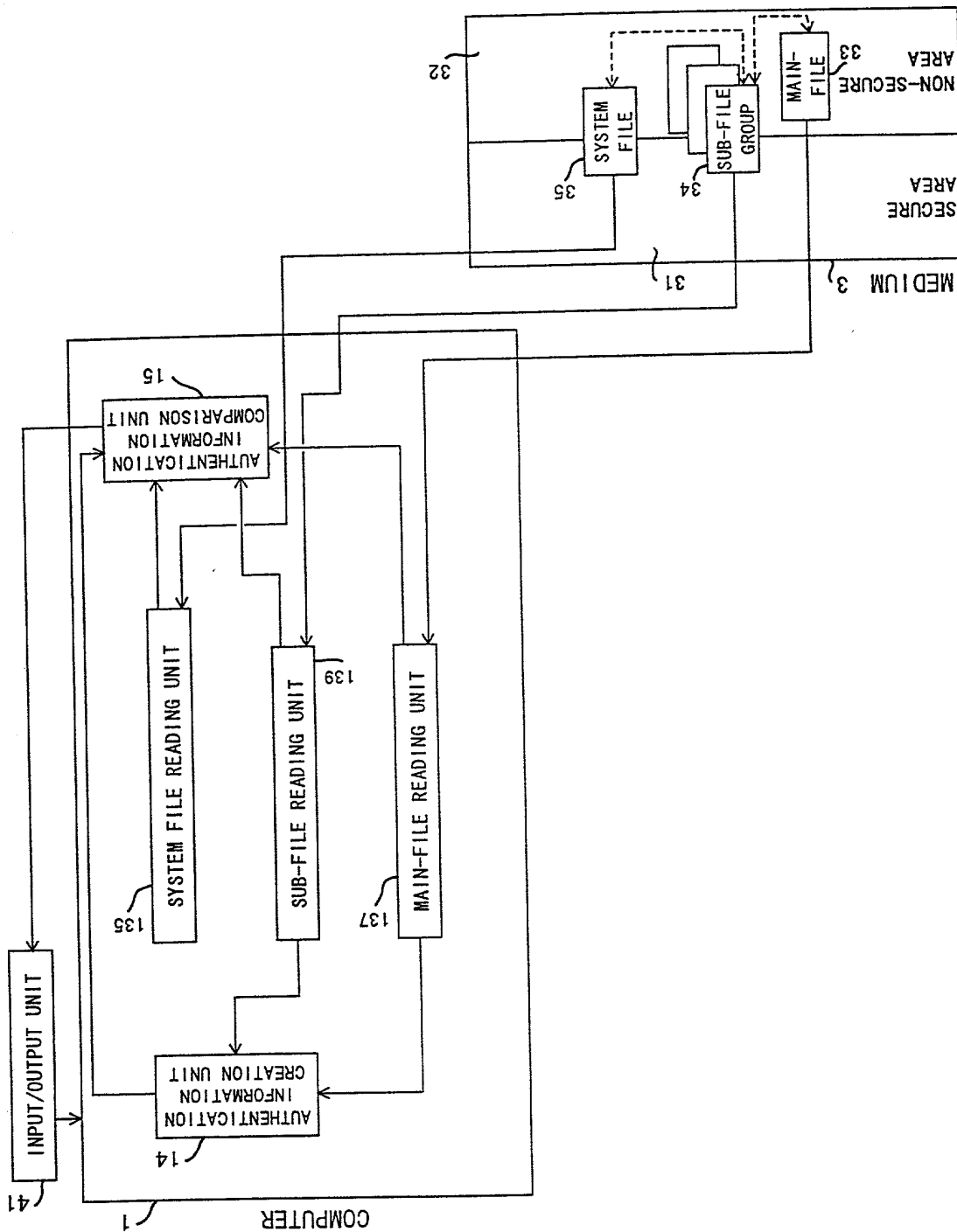


FIG. 20

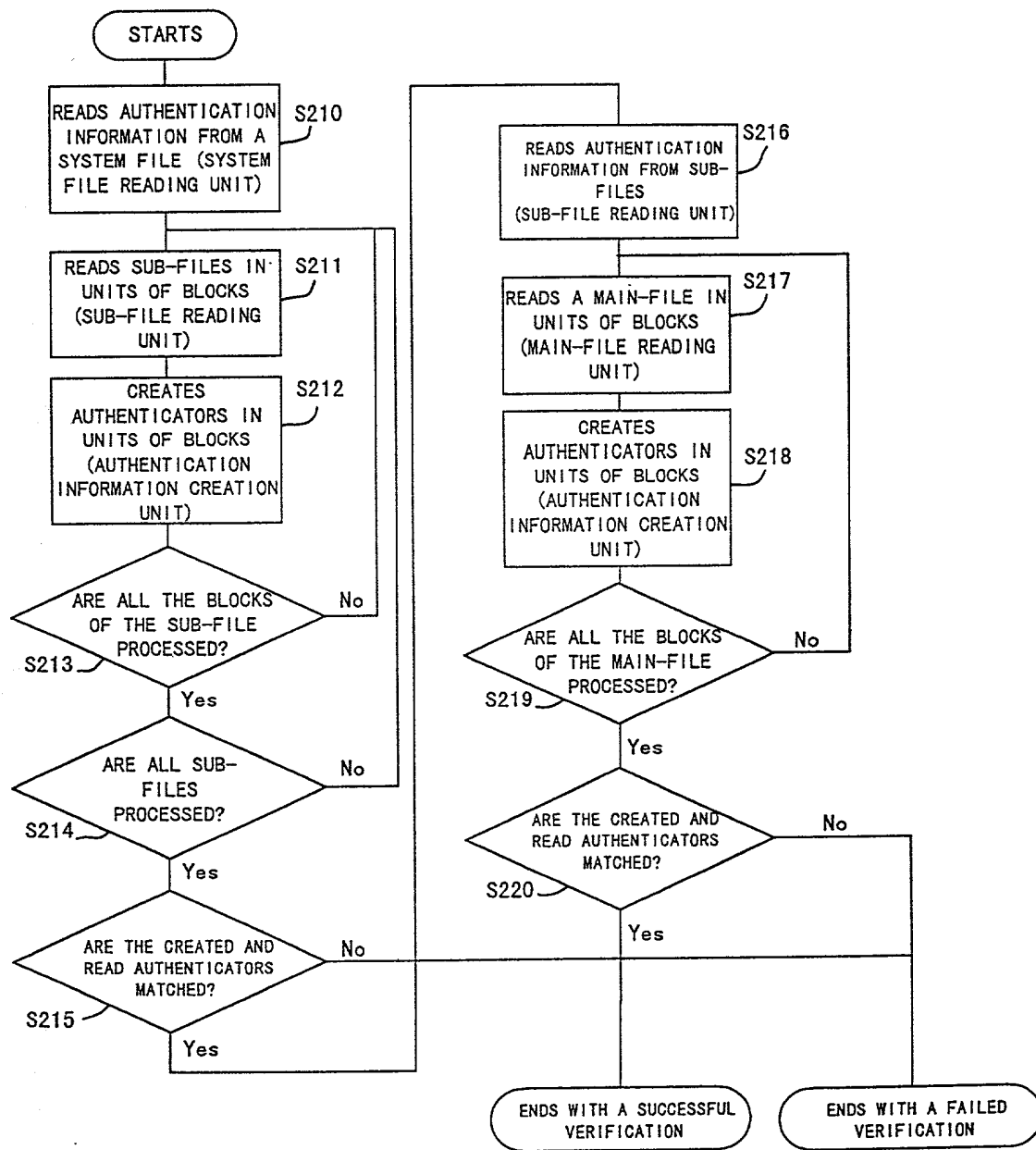


FIG. 21

09985677-140504

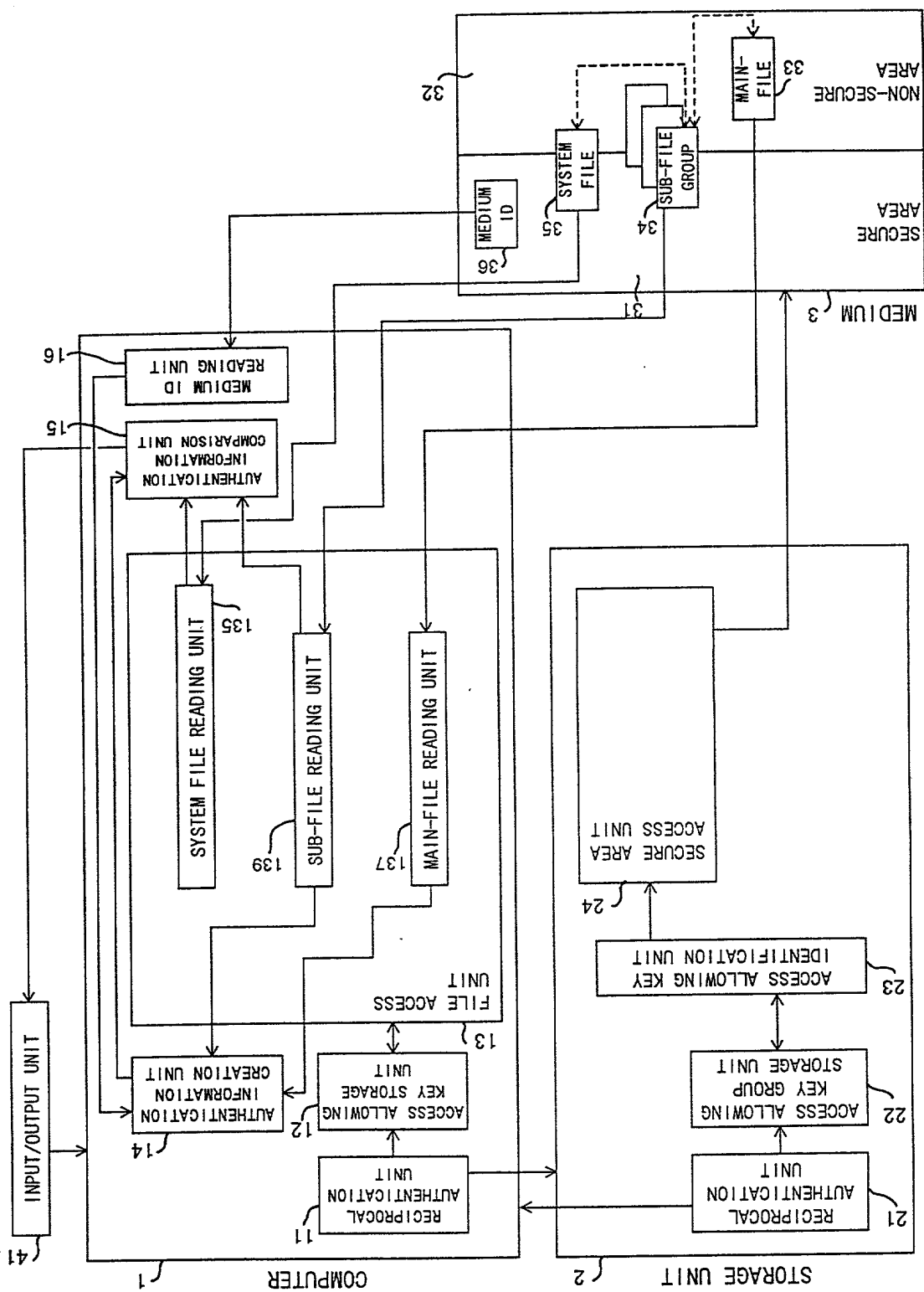


FIG. 22

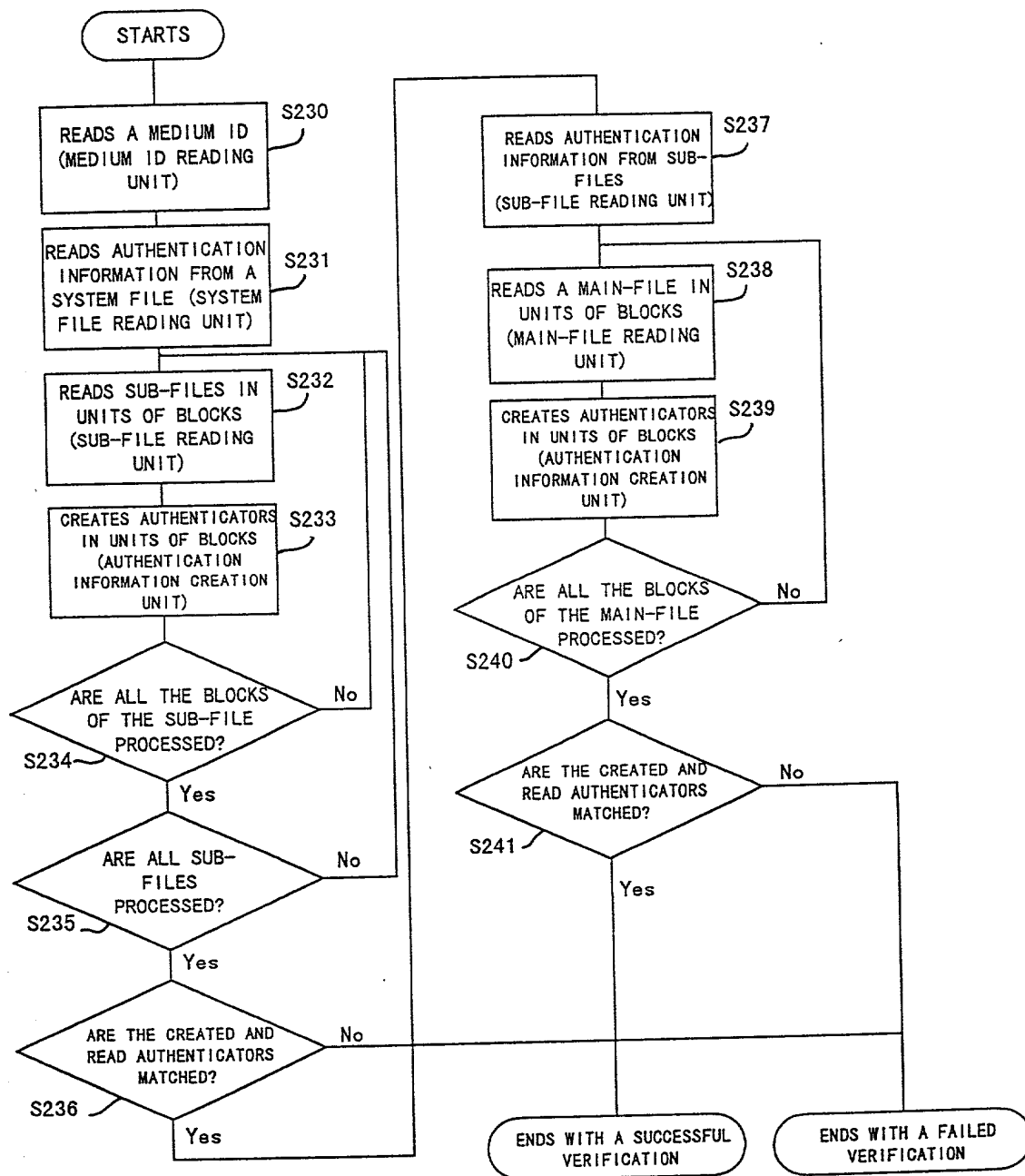


FIG. 23

09985677 110504

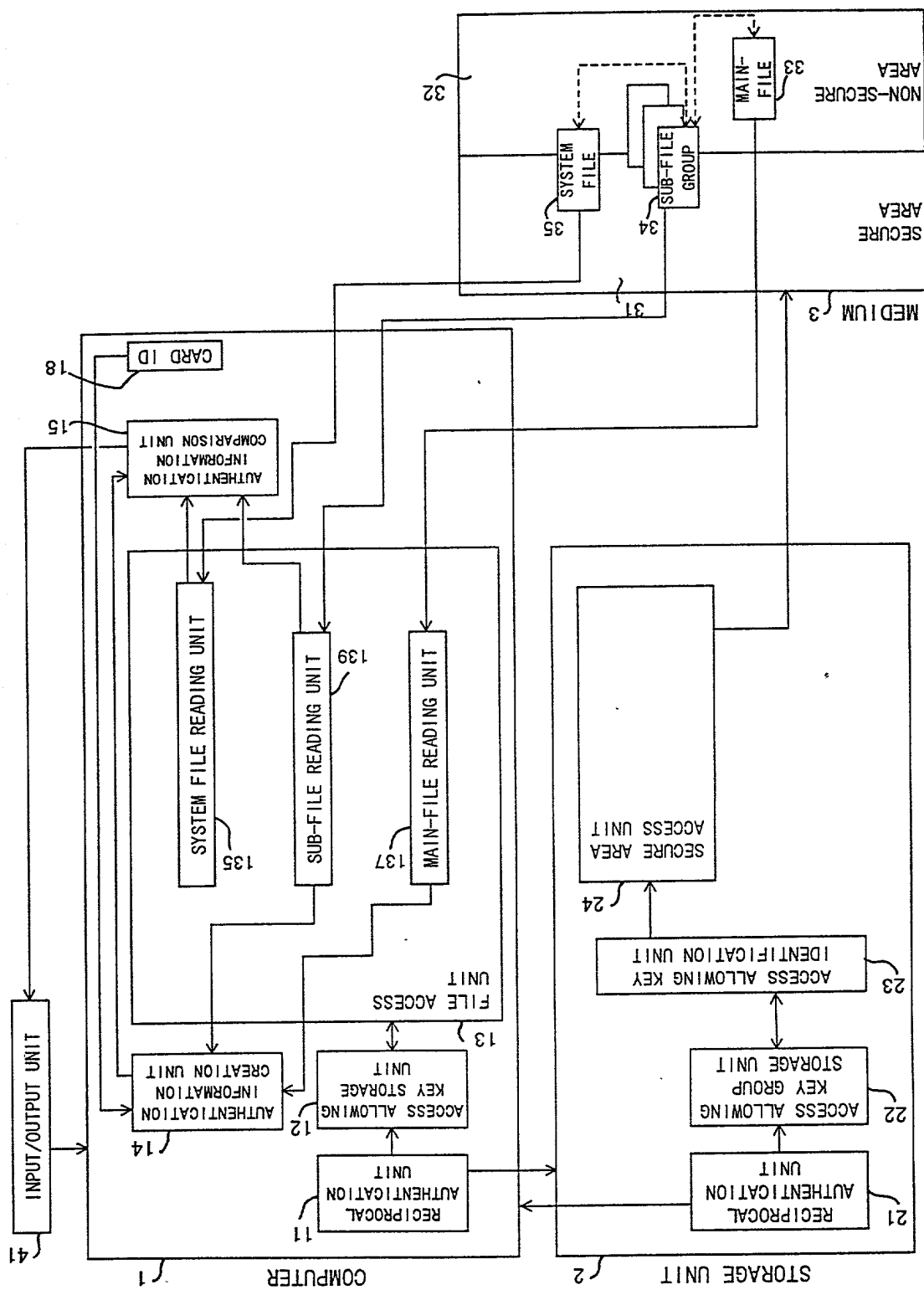


FIG. 24

09965677 110504

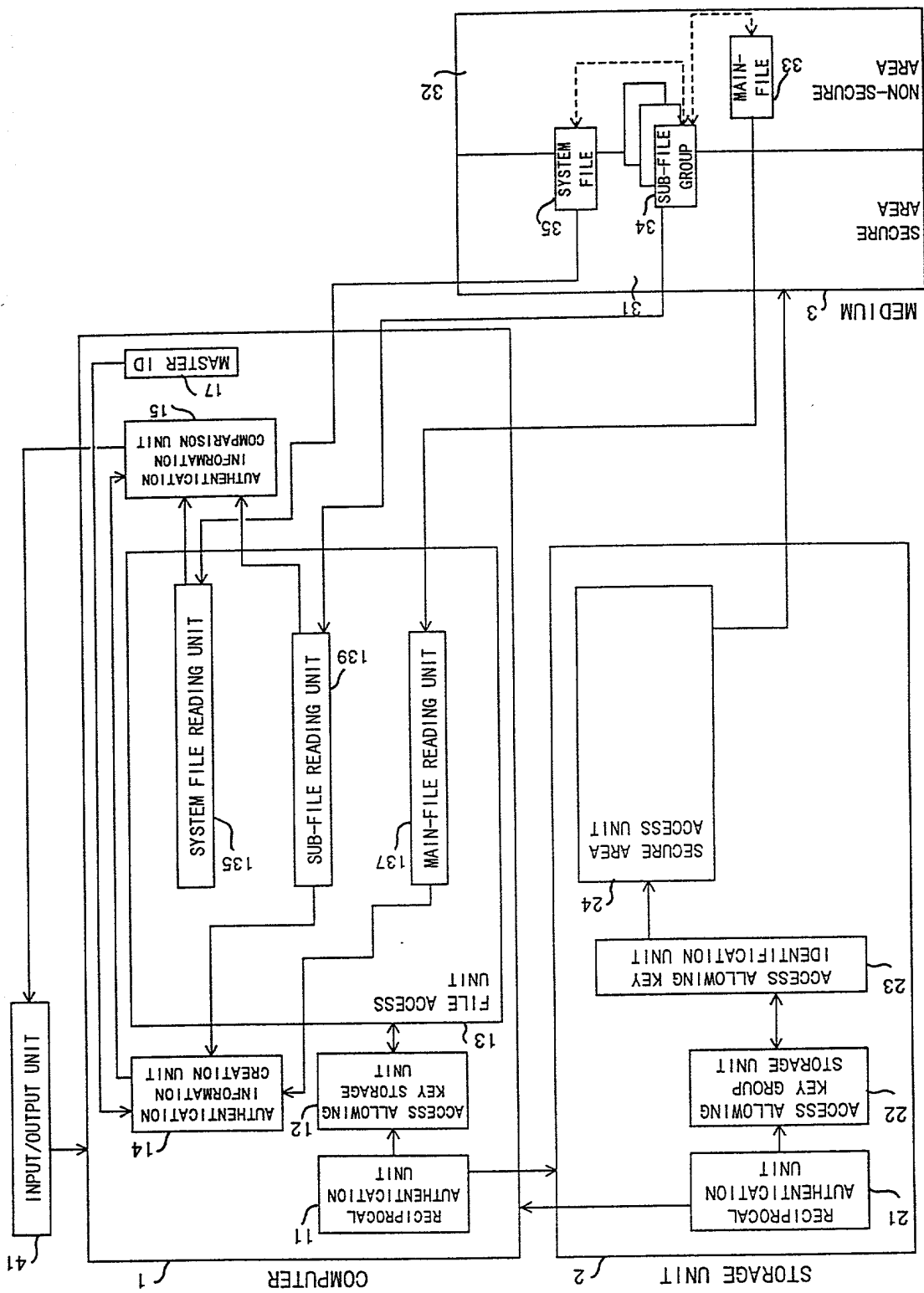
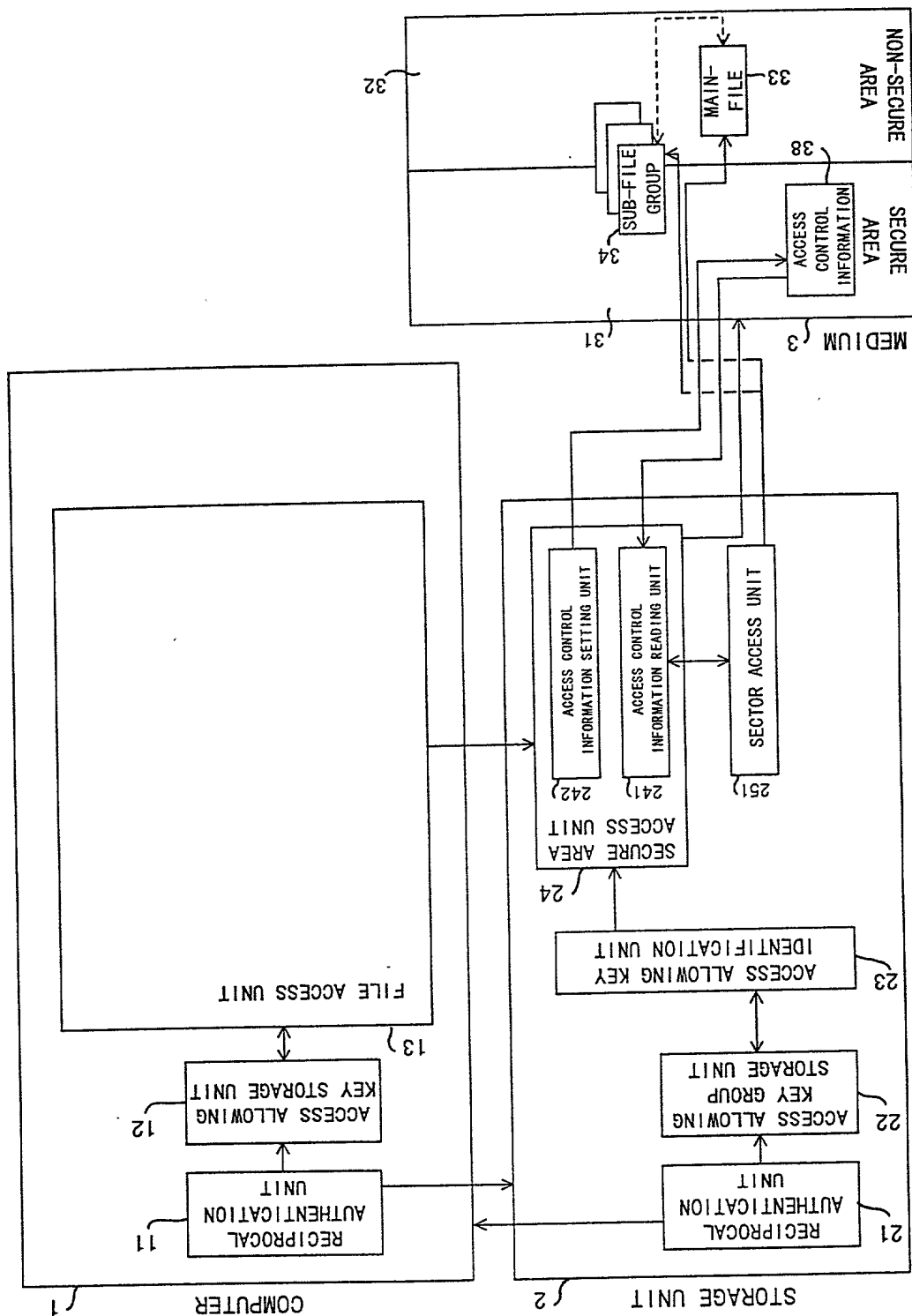


FIG. 25

FIG. 26



09985677 110504

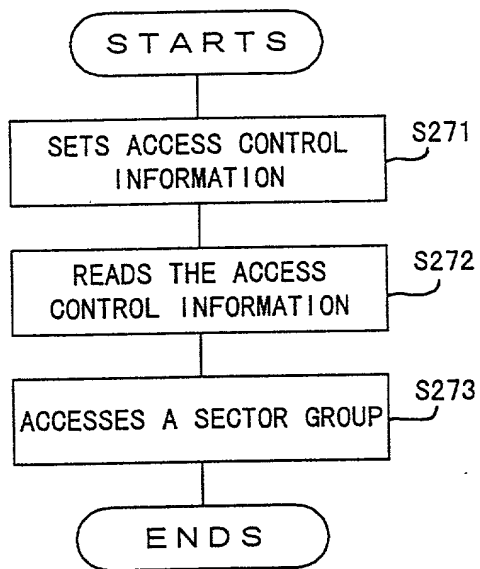
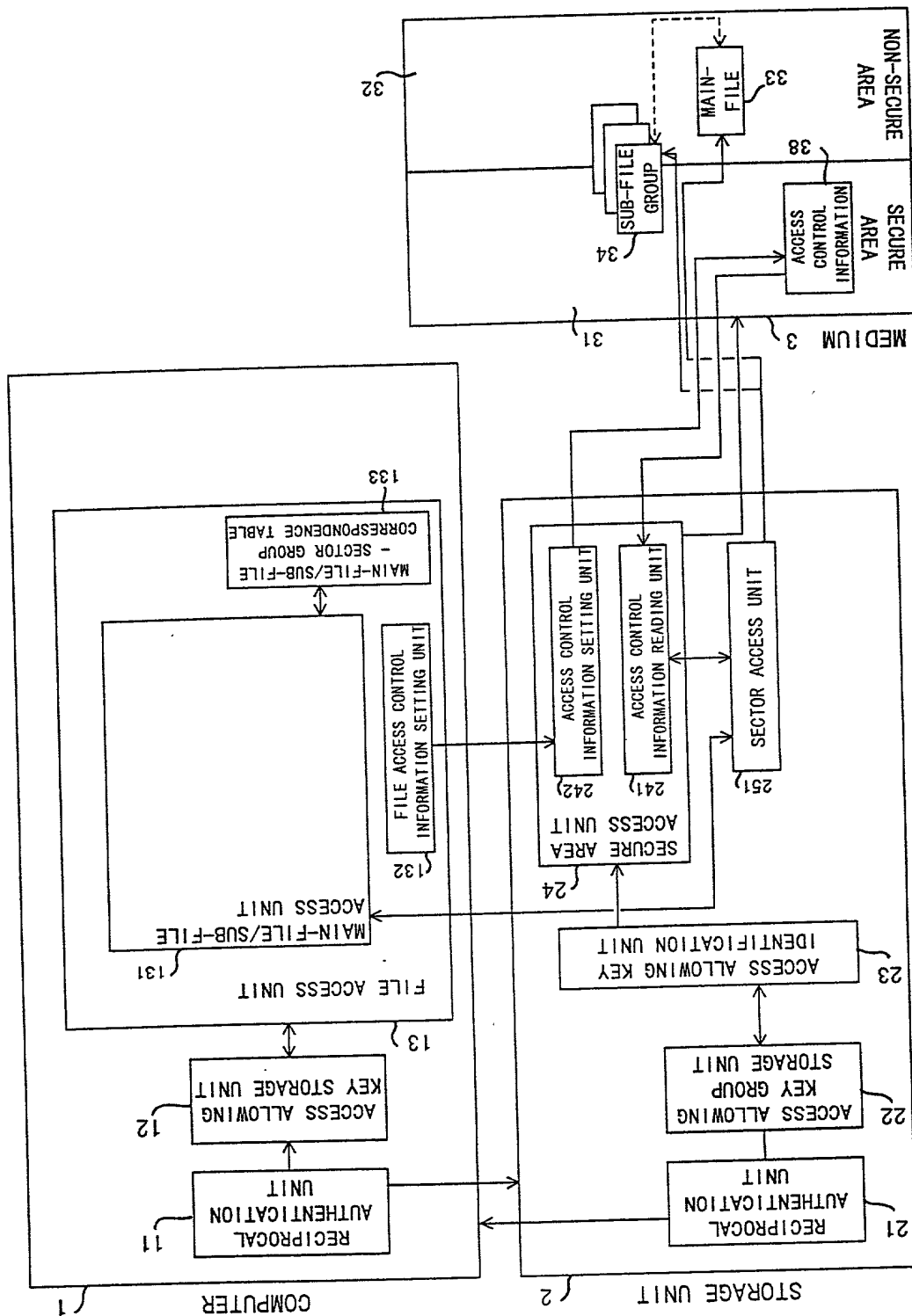


FIG. 27

FIG. 28



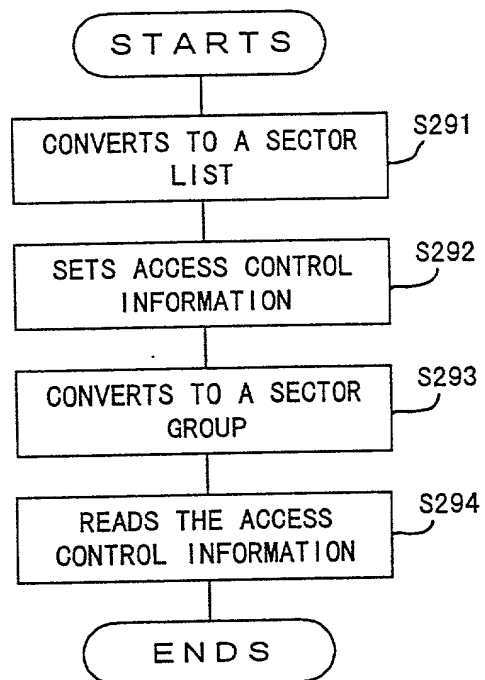
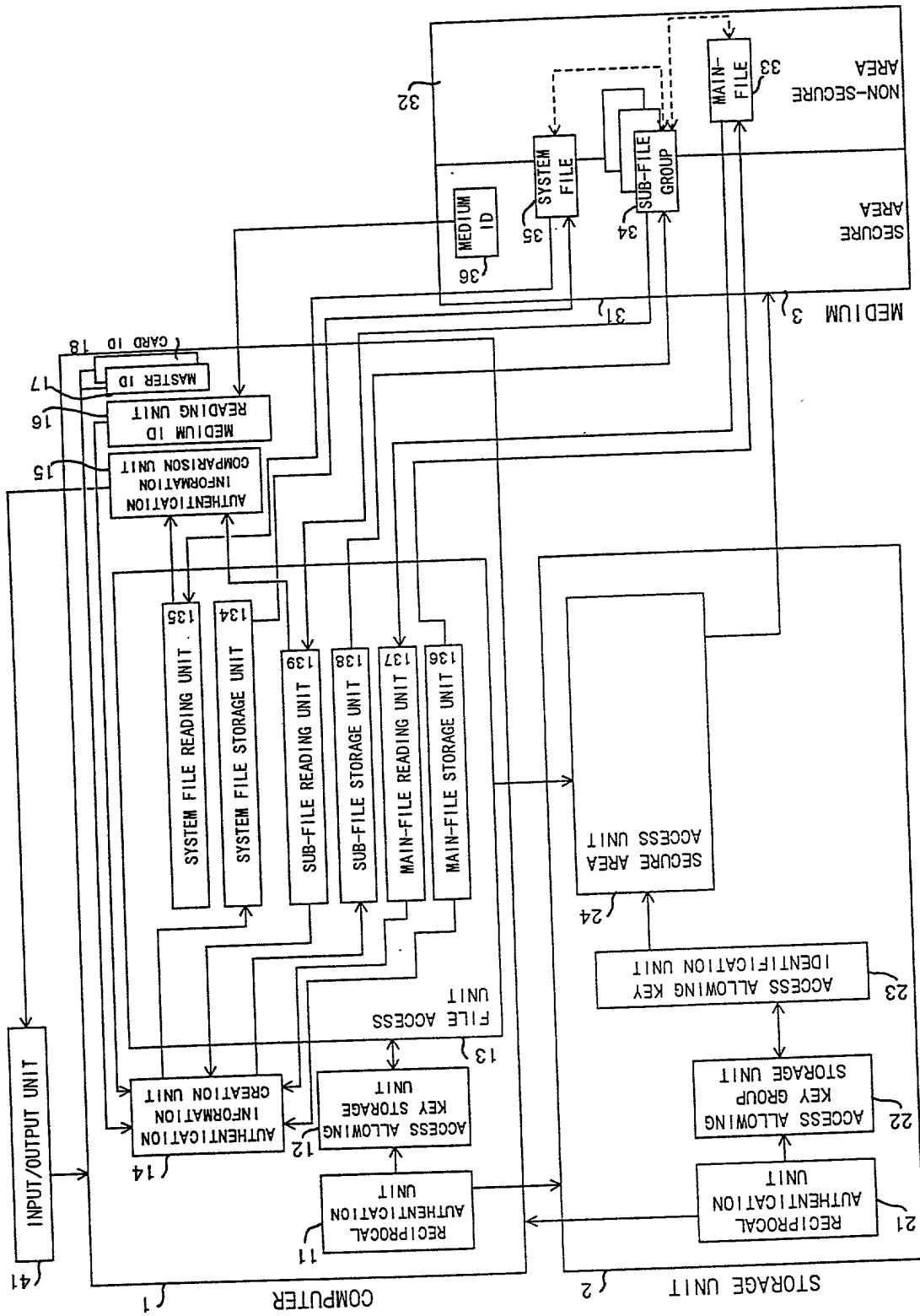


FIG. 29

FIG. 30



The diagram illustrates a computer system architecture. A central vertical line is labeled "BUS" at the top. On the left side of the bus, four units are connected: a CPU (labeled 311), MEMORY (labeled 312), INPUT UNIT (labeled 313), and OUTPUT UNIT (labeled 314). On the right side of the bus, three units are connected: an EXTERNAL STORAGE UNIT (labeled 315), a MEDIUM DRIVING UNIT (labeled 316), and a NETWORK CONNECTING UNIT (labeled 317). Additionally, a PORTABLE STORAGE MEDIUM (labeled 319) is shown to the right of the MEDIUM DRIVING UNIT, with an arrow pointing from it towards the MEDIUM DRIVING UNIT.

FIG. 31